

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 October 2002 (03.10.2002)

PCT

(10) International Publication Number
WO 02/078382 A1

(51) International Patent Classification⁷:

H04Q 7/38

(74) Agent: SVENSSON, Peder; Telia Research AB, Vitsands-gatan 9, S-123 86 Farsta (SE).

(21) International Application Number: PCT/SE02/00572

(81) Designated States (national): EE, LT, LV, NO.

(22) International Filing Date: 22 March 2002 (22.03.2002)

(84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

(25) Filing Language:

English

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(26) Publication Language:

English

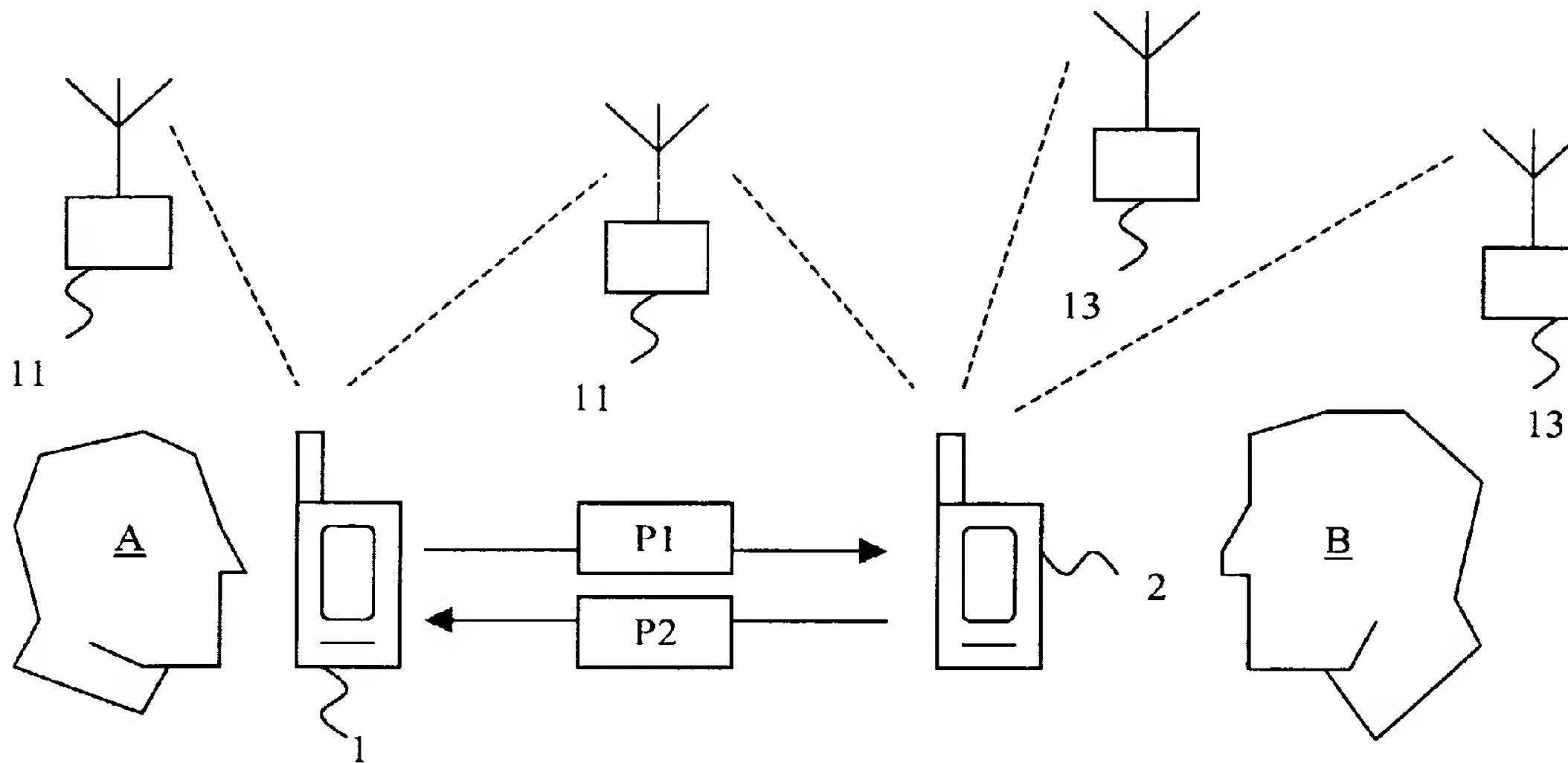
(30) Priority Data:

0101062-8 26 March 2001 (26.03.2001) SE

(71) Applicant: TELIA AB (publ) [SE/SE]; Mårbackagatan 11, S-123 86 Farsta (SE).

(72) Inventor: BERGENDORFF, Hans; Ishockeyvägen 12, S-175 45 Järfälla (SE).

(54) Title: DEVICES AND METHODS FOR POSITIONING MOBILE COMMUNICATION UNITS



(57) Abstract: Devices and methods for positioning mobile communication units. One system solution comprises a first (1) and a second (2) communication unit, whereby each communication unit (1, 2) comprises a means (3) of wireless short-range communication, and a means (4) for wireless long-range communication with positioning facilities (10, 11). The said first communication unit (1) comprises a means (5) for calculating a position (P) depending on first positioning information (P1) of a certain type, obtained from a first positioning facility (10, 11), and second positioning information (P2) of the same type, obtained by short-range communication from the said second communication unit (2). The said positioning facility can be, for example, a satellite in a GPS system or a base station in a cellular radio communication system.